

FIG.1

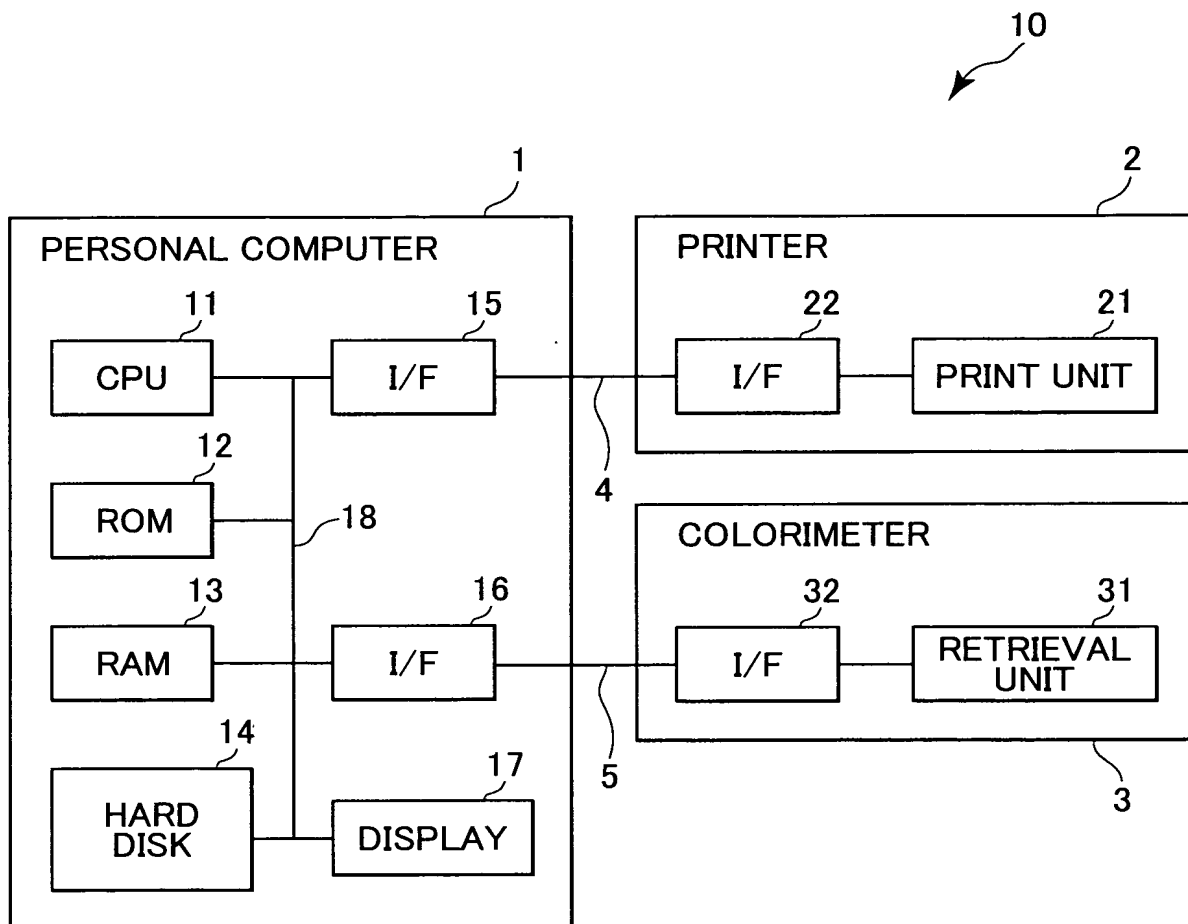




FIG.2(a)

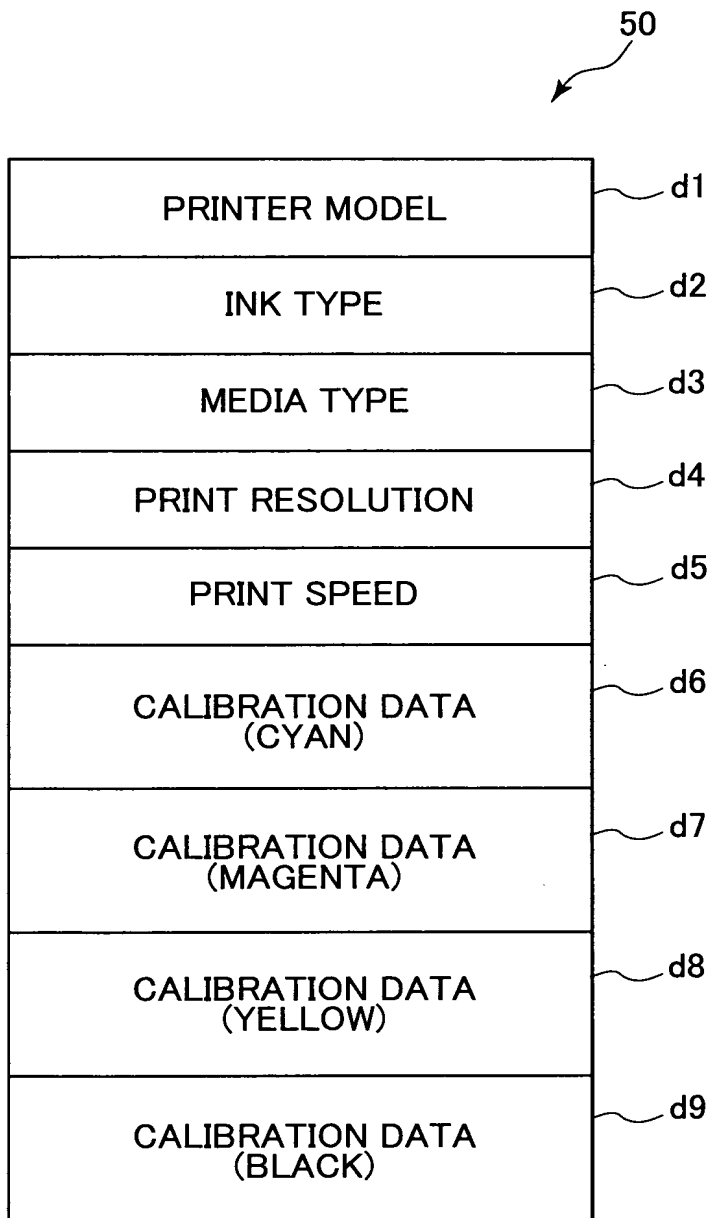




FIG.2(b)

CALIBRATION DATA d6	
ORIGINAL LEVELS C _{original}	INPUT LEVELS C _{in}
0	⋮
5	⋮
255	⋮
CALIBRATION DATA d7	
ORIGINAL LEVELS M _{original}	INPUT LEVELS M _{in}
0	⋮
5	⋮
255	⋮
CALIBRATION DATA d8	
ORIGINAL LEVELS Y _{original}	INPUT LEVELS Y _{in}
0	⋮
5	⋮
255	⋮
CALIBRATION DATA d9	
ORIGINAL LEVELS K _{original}	INPUT LEVELS K _{in}
0	⋮
5	⋮
255	⋮



FIG.3(a)

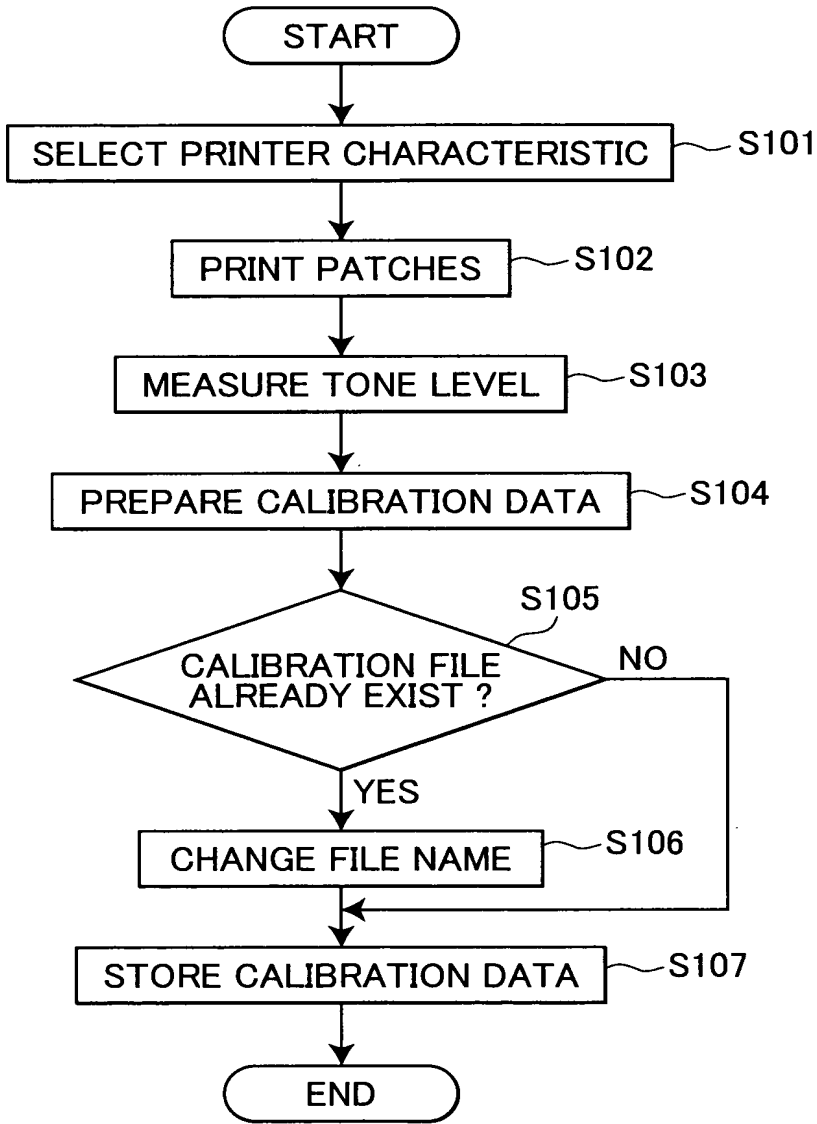


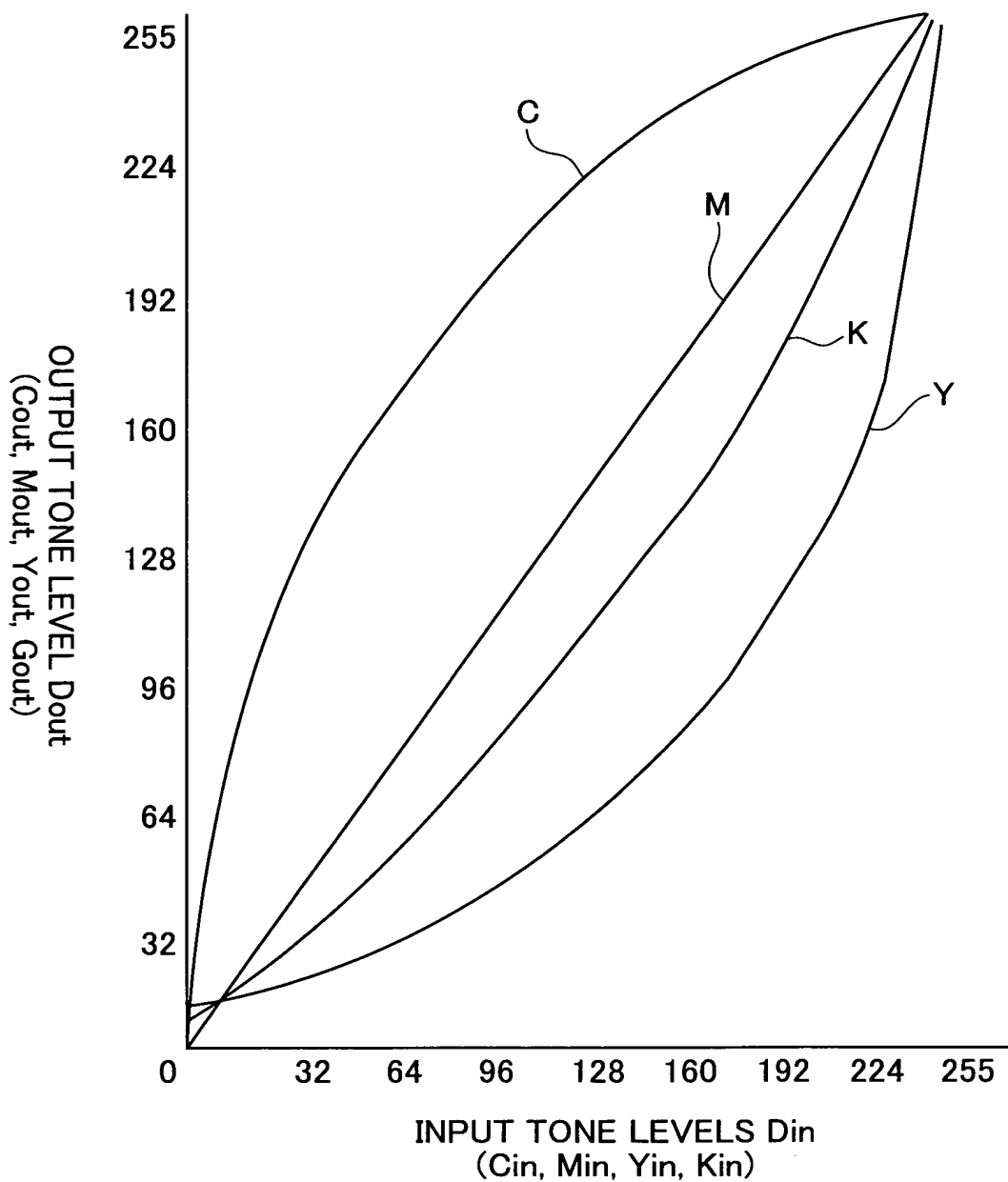


FIG.3(b)

CYAN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MAGENTA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
YELLOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BLACK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	0	16	32	48	64	80	96	128	160	192	224	255				



FIG.3(c)



D_{in} - D_{out} RELATIONSHIP



FIG.4

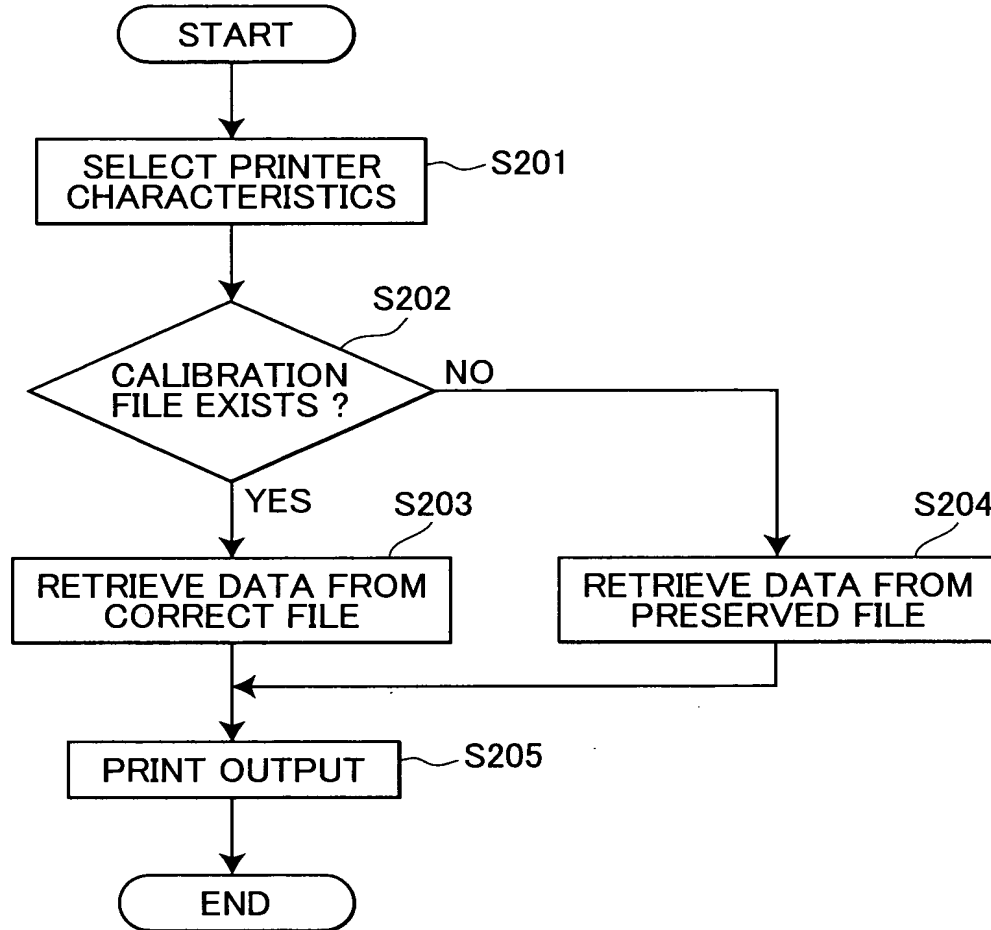


FIG.5

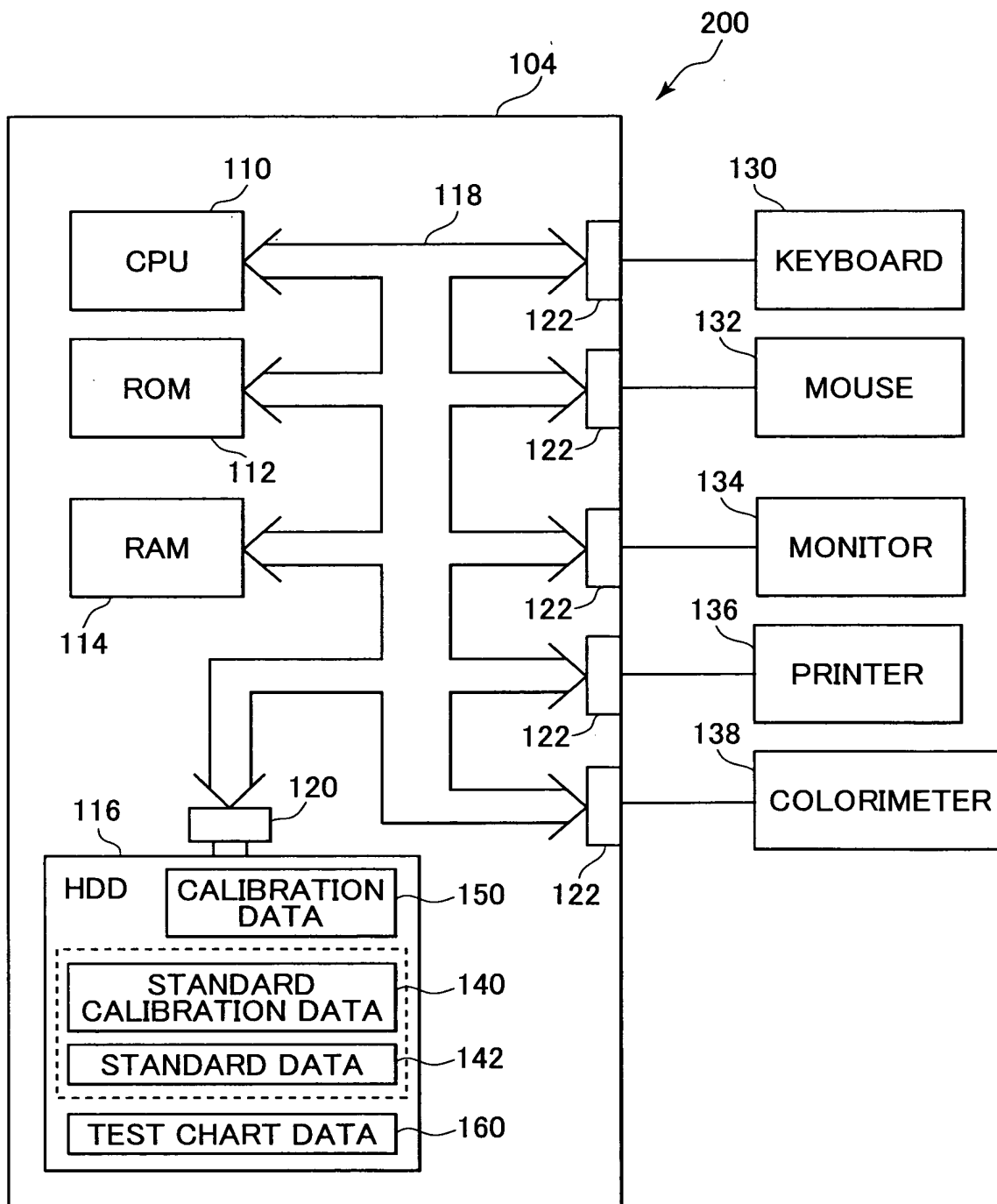




FIG.6(a) 160

PATCH NUMBER	NUMERICAL VALUES R_{in} (RED)	COLORIMETER $_1$	COLORIMETER $_2$...
P1	0	x_1, y_1	x_1, y_1	...
\vdots	\wr	\wr	\wr	...
$P(n/3)$	255	$x_{n/3}, y_{n/3}$	$x_{n/3}, y_{n/3}$...
PATCH NUMBER	NUMERICAL VALUES G_{in} (GREEN)			
$P(n/3+1)$	0	$x_{n/3+1}, y_{n/3+1}$	$x_{n/3+1}, y_{n/3+1}$...
\vdots	\wr	\wr	\wr	...
$P(2n/3)$	255	$x_{2n/3}, y_{2n/3}$	$x_{2n/3}, y_{2n/3}$...
PATCH NUMBER	NUMERICAL VALUES B_{in} (BLUE)			
$P(2n/3+1)$	0	$x_{2n/3+1}, y_{2n/3+1}$	$x_{2n/3+1}, y_{2n/3+1}$...
\vdots	\wr	\wr	\wr	...
$P(n)$	255	x_{3n}, y_{3n}	x_{3n}, y_{3n}	...



FIG.6(b)

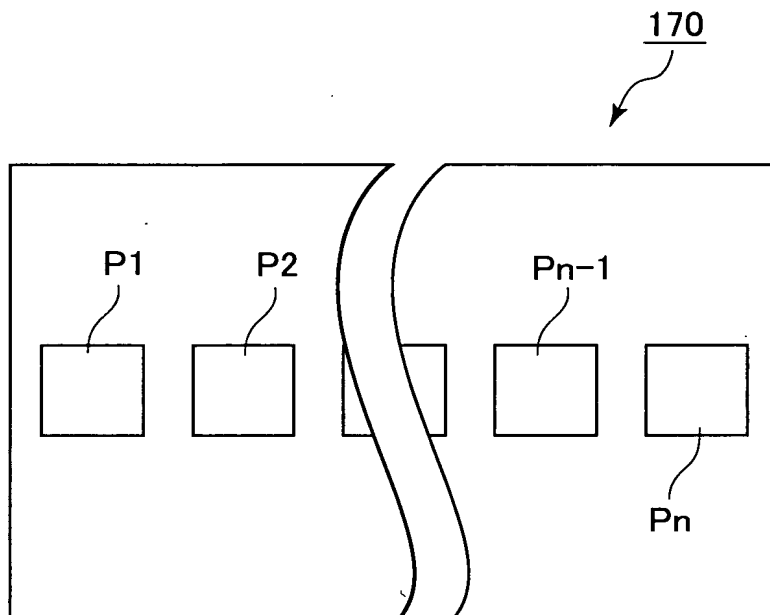




FIG.7(a)

142

STANDARD DATA (1)	(L [*] , a [*] , b [*])	STANDARD CALIBRATION DATA REFERENCE NO. (1)
STANDARD DATA (2)	(L [*] , a [*] , b [*])	STANDARD CALIBRATION DATA REFERENCE NO. (2)
STANDARD DATA (3)	(L [*] , a [*] , b [*])	STANDARD CALIBRATION DATA REFERENCE NO. (3)
.	.	
.	.	
.	.	

FIG.7(b)

STANDARD DATA (1)
(142)

PATCH NO.	P1	P2	Pn-1	Pn
PATCH COORDINATES (x, y) FOR COLORIMETER (1)	x1, y1	x2, y2	xn-1, yn-1	xn, yn
L [*] ,	L'1	L'2	L'n-1	L'n
a [*] ,	a'1	a'2	a'n-1	a'n
b [*] ,	b'1	b'2	b'n-1	b'n



FIG.7(c)

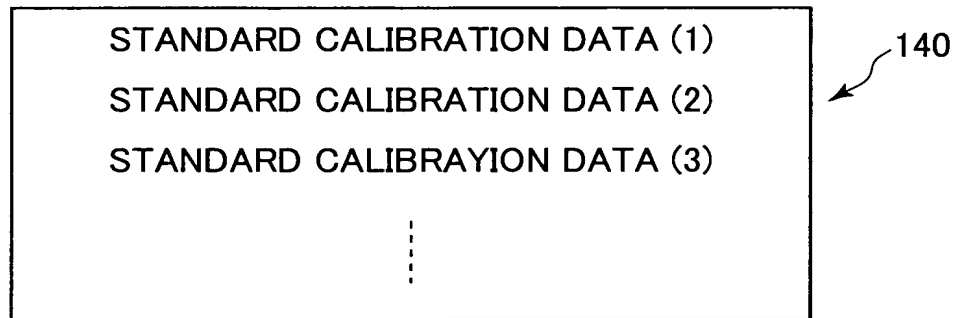


FIG.7(d)

140

CALIBRATION DATA	
ORIGINAL LEVELS $R_{original}$	INPUT LEVELS R_{in}
0	⋮
⋮	⋮
255	⋮
CALIBRATION DATA	
ORIGINAL LEVELS $G_{original}$	INPUT LEVELS G_{in}
0	⋮
⋮	⋮
255	⋮
CALIBRATION DATA	
ORIGINAL LEVELS $B_{original}$	INPUT LEVELS B_{in}
0	⋮
⋮	⋮
255	⋮

FIG.8

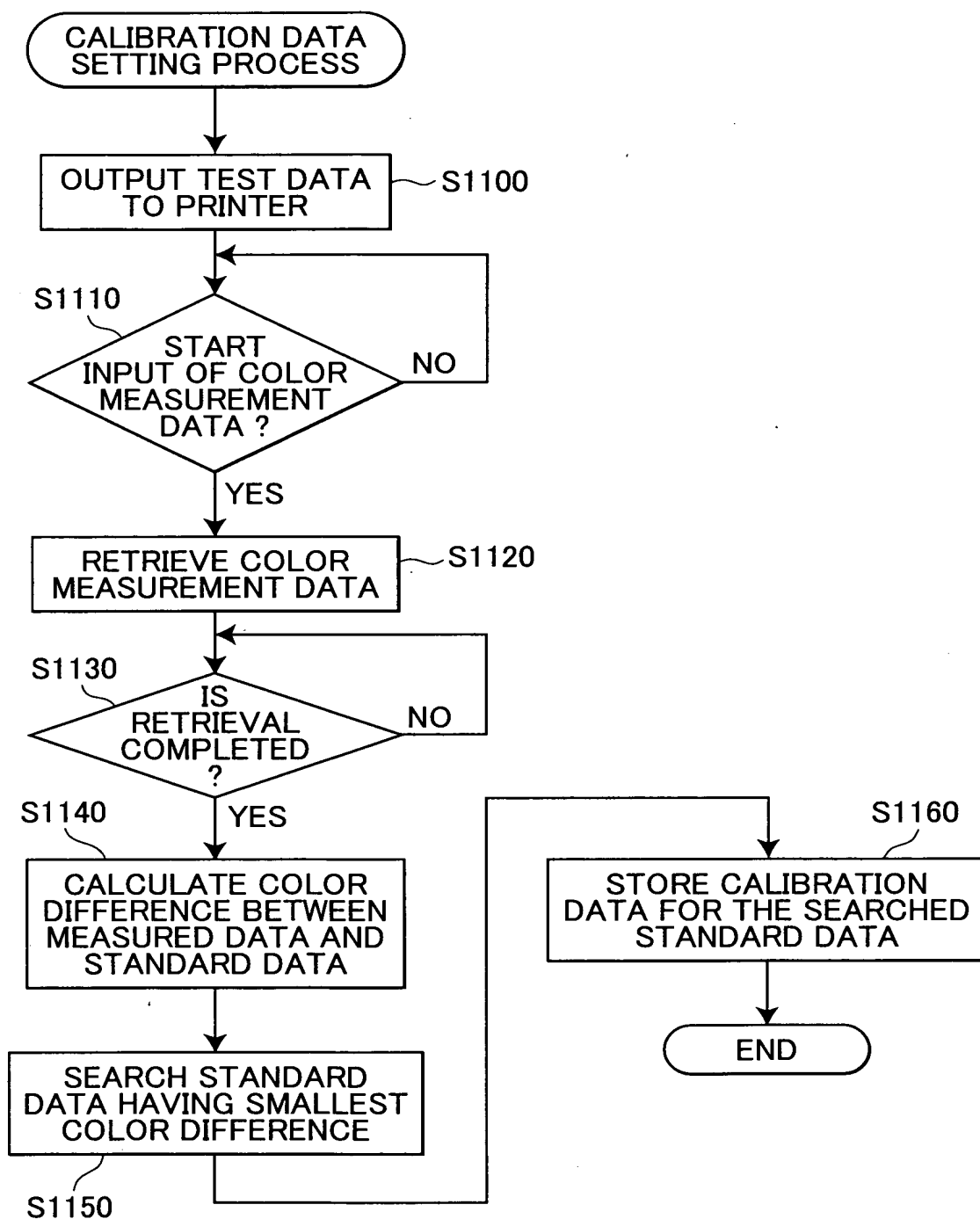




FIG.9

146
↙

PATCH NO.	P1	P2	...	P _{n-1}	P _n
MEASURED VALUE L*	L1	L2		L _{n-1}	L _n
MEASURED VALUE a*	a1	a2		a _{n-1}	a _n
MEASURED VALUE b*	b1	b2		b _{n-1}	b _n

FIG.10

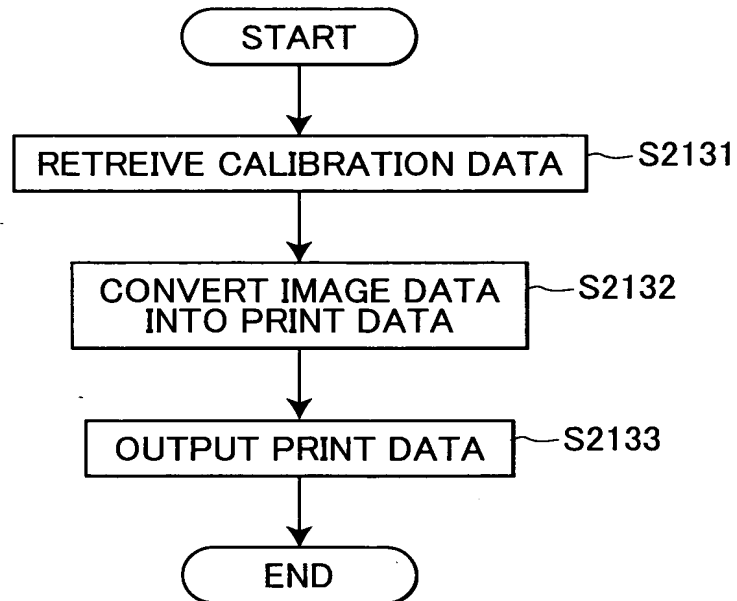




FIG.11(a)

STANDARD
DATA (1)
(142)

PATCH NO.	P1	...	P(n/3)	P(n/3+1)	...
PATCH COORDINATES (x, y) FOR COLORIMETER (1)	x1, y1	...	xn/3, yn/3	xn/3+1, yn/3+1	...
DENSITY D (D=R, G, B)	R'1	...	R'n/3	G'n/3+1	...

...	P(2n/3)	P(2n/3+1)	...	Pn
...	x2n/3, y2n/3	x2n/3+1, y2n/3+1	...	xn, yn
...	G'2n/3	B'2n/3+1	...	B'n

FIG.11(b)

146

PATCH NO.	P1	...	P(n/3)	P(n/3+1)	...
MEASURED DENSITY D (D=R, G, B)	R1	...	Rn/3	Gn/3+1	...

...	P(2n/3)	P(2n/3+1)	...	Pn
...	G2n/3	B2n/3+1	...	Bn

FIG.12

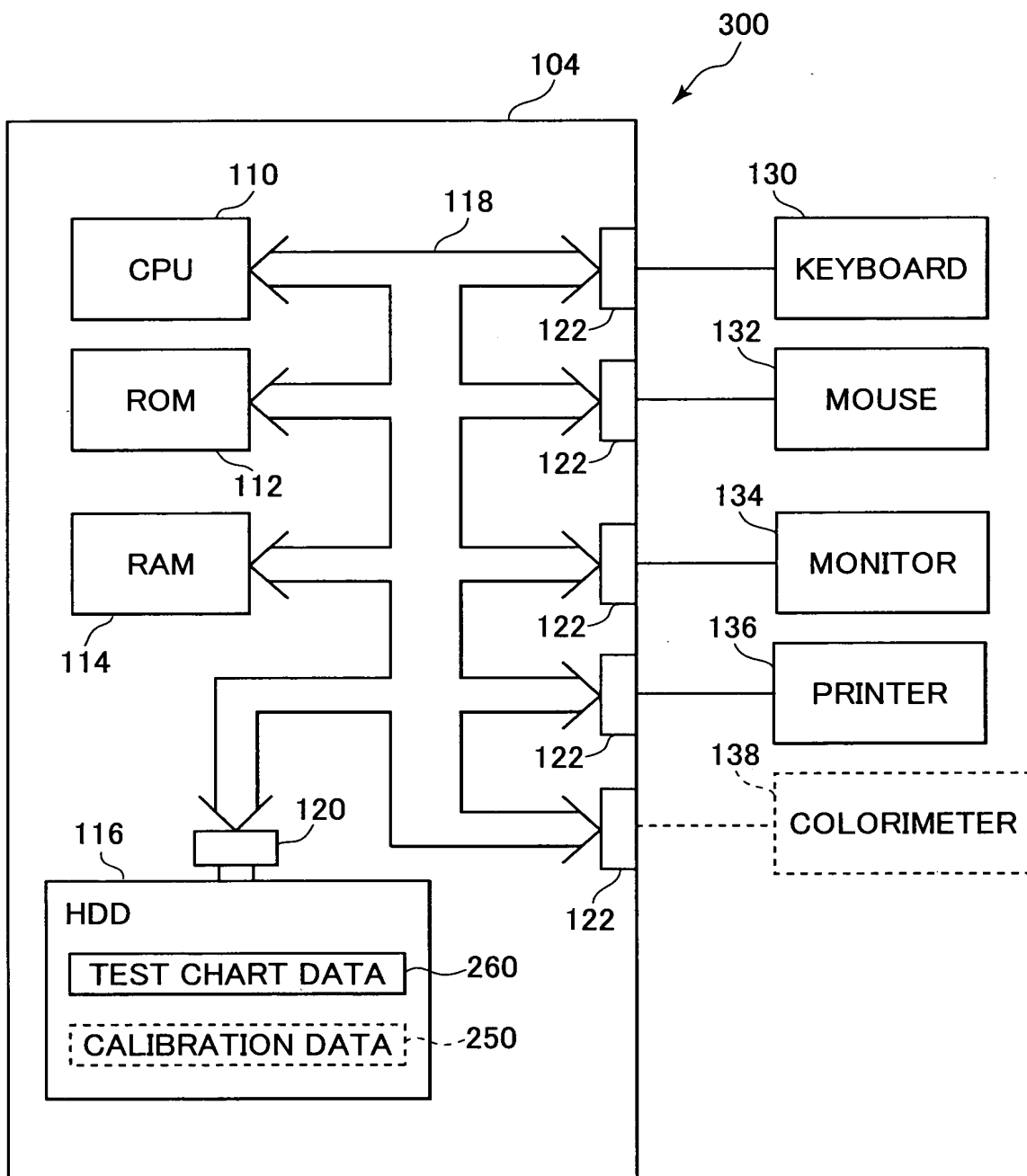




FIG.13

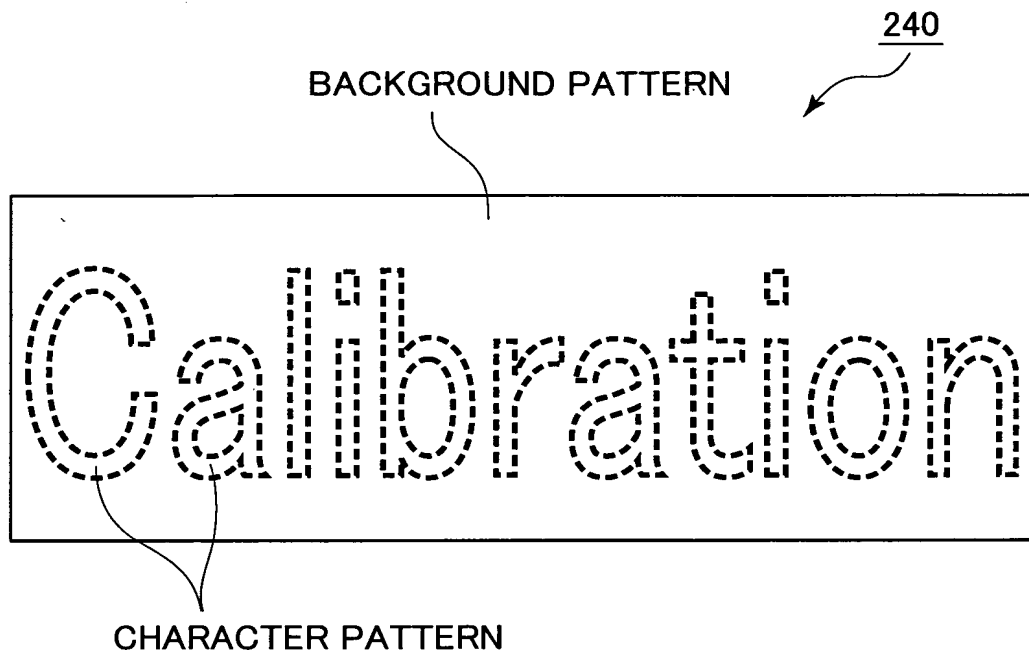




FIG.14

